



Insulated enclosure, top+bottom open, +door, HxWxD=296x234x166mm, NA type

Part no. C123-125/T-NA
Catalog No. 002235

EL-Nummer 2502043
(Norway)

Delivery program

Product range			xEnergy Safety Ci
Basic function			Basic enclosures
Product function			Distribution board enclosures for North America Panel enclosures with door and flanges
Single unit/Complete unit			Single unit
Standards			UL508A
Degree of Protection			IP65
Description			Fitted with removable smooth flanges on all 4 sides Fixing straps for wall fixing Sealable cover fasteners Door with quick-release fasteners and 180° door opening angle Door hinges can be subsequently changed to left, right, top or bottom.
Type cover			Transparent with transparent door
Surface finish			RAL 7035 (base) Transparent, smoky gray (cover)
Dimensions			
Width		mm	234
Height		mm	296
Depth		mm	166
Mounting depth:		mm	125
Model base			Enclosure side plates with flanges
Model base			Enclosure side plates with removable smooth flanges

Technical data

General

Standards			UL508A
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	-40 - +80
Degree of Protection			IP65
Operating and ambient conditions to VDE 0660 Part 500			
Surface finish			RAL 7035 (base) Transparent, smoky gray (cover)

Material characteristics

Surface finish			RAL 7035 (base) Transparent, smoky gray (cover)
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Material properties

Electrical			
Track resistance			KB160, KC175 (base, to IEC 60112) KB100, KC200 (cover, to IEC 60112)
Surface resistance to IEC 60093		$\Omega \times 10^{13}$	1
Dielectric strength to IEC 60243-1		kV/mm	30
Mechanical			
Impact resistance			please require
Atmospheric			
Saline spray			IEC 60068-2-11
UV resistance			Beneath protective shield
Water consumption to DIN EN ISO 62		%	0.29

Design verification as per IEC/EN 61439

Technical data for design verification			
Heat dissipation, at an ambient temperature of 35°C, delta T: 20 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	W	12
Starting enclosure for wall mounting	P _V	W	11
Middle enclosure for wall mounting	P _V	W	10
Heat dissipation, at an ambient temperature of 35°C, delta T: 35 degrees in top of the enclosure, calculated as per IEC 60890			
Individual enclosure for wall mounting	P _V	W	24
Starting enclosure for wall mounting	P _V	W	22
Middle enclosure for wall mounting	P _V	W	20
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Lower part: 960 °C / cover: 850 °C; meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Not relevant to indoor installations.
10.2.5 Lifting			5 kg per enclosure with support frame and lifting aid met; assembled and secured as per the latest applicable instruction leaflet.
10.2.6 Mechanical impact			IK10
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			IP65
10.4 Clearances and creepage distances			Is the panel builder's responsibility.
10.5 Protection against electric shock			Protection class 2, therefore not applicable.
10.6 Incorporation of switching devices and components			Is the panel builder's responsibility.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			U _i = 1000 V AC
10.9.3 Impulse withstand voltage			8 kV
10.9.4 Testing of enclosures made of insulating material			Meets the product standard's requirements.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			Meets the product standard's requirements.

Technical data ETIM 5.0

Distribution boards (EG000023) / Empty cabinet (EC000058)			
Electric engineering, automation, process control engineering / Electrical installation, device / Electrical distribution system (incl. small distribution board) / Empty cabinet (small distribution board) (ecI@ss8-27-14-24-08 [ACN385007])			
Height		mm	250
Width		mm	187.5
Depth		mm	150
Built-in depth		mm	125
Extension possible			Yes
Pipe in-lead			Yes
Type of cover			Transparent
Material housing			Plastic
Surface treatment			-
With mounting plate			No
Suitable for outdoor use			Yes
Suitable for lightning protection			Yes
RAL-number			7032

Degree of protection (IP)	IP65
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Additional product information (links)

AWA32-567 Ci insulated enclosure	
AWA32-567 Ci insulated enclosure	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/05670392.pdf
AWA31-566 insulating flange	
AWA31-566 insulating flange	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/05660286.pdf
AWA 32-878 pipe connection and grounding of devices	
AWA 32-878 pipe connection and grounding of devices	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/05660286.pdf
Manufacturer's Declaration CI-RoHS	https://es-assets.eaton.com/DOCUMENTATION/PDF/2013-01-31_Ci_RoHS.pdf
Declaration of conformity	https://es-assets.eaton.com/DOCUMENTATION/PDF/ci_ce.pdf
allowInterrupt=1&RevisionSelectionMethod=La model certification xEnergy Safety Ci	http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&
allowInterrupt=1&RevisionSelectionMethod=La Save time – we assist you with expert pre- assembly	http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&
allowInterrupt=1&RevisionSelectionMethod=La product information xEnergy Safety Ci	http://www.eaton.eu/DE/ecm/idcplg?IdcService=GET_FILE&